

S/N TO BE ASSIGNED

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	SAARI, ET AL.	Serial No.:	TO BE ASSIGNED
Filed:	11 JANUARY 2002	Docket No.:	602.362USW1
Title:	METHOD AND SYSTEM FOR IMPLEMENTING STATISTICAL FUNCTIONS IN A TELEPHONE SWITCHING SYSTEM		

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By: 

Name: Lee Thao

PRELIMINARY AMENDMENT

Box Patent Application
Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Please enter the following preliminary amendment into the above-referenced application.

ABSTRACT

Please insert the attached abstract into the application as the last page thereof.

CLAIMS

Please amend claims 1-24 as follows. A clean copy of the amended and new claims is included below. A marked up copy of the entire claim set is included in Appendix A.

1. (Amended) Method for real-time addition of statistics definitions and for achieving real-time reporting in a telephone switching system, comprising:

a database containing information of essential importance to the telephone switching system;

a database manager, whose function is to maintain the database;

one or more service providers;

wherein the method comprises the steps of:

receiving by means of the database manager a registration of the service provider;

having the database manager send the service provider an inquiry asking for information about the services produced by it;

storing the service definition data supplied by the service provider in the database; and

generating a new definitions file for reporting purposes on the basis of the information in the database.

2. (Amended) Method as defined in claim 1, wherein

the version number of the service produced by the service provider is checked; and

the service provider is asked to supply information about the services produced by it if the version number of the service provided is previously unknown; or

the service provider is given a request for the service if the version number of the service provided is known.

3. (Amended) Method as defined in claim 1, wherein

the version number of the service provided by the service provider is checked when a request for the service is given to the service provider; and

the service request is canceled if the service version number returned by the service provider is previously unknown.

4. (Amended) Method as defined in claim 1, wherein the address data of the database manager is reported to a name service.

5. (Amended) Method as defined in claim 1, wherein the address data of the database manager is established via an inquiry to the name service.

6. (Amended) Method as defined in claim 1, wherein individual identification data is attached to each piece of information produced by the service provider.

7. (Amended) Method as defined in claim 1, wherein the specification data are divided into fixed specification data and network-element specific data.

8. (Amended) Method as defined in claim 1, wherein the database manager is given a reference to a file that contains information about the content of the service produced by the service provider.

9. (Amended) Method as defined in claim 1, wherein the data collected by the database manager are stored in several different databases based on data types.

10. (Amended) Method as defined in claim 1, wherein definitions files are generated on the basis of the data contained in the database.

11. (Amended) Method as defined in claim 1, wherein reports are generated on the basis of a definitions file produced by the database manager.

12. (Amended) Method as defined in claim 1, wherein a definitions file previously defined is deleted or changed.

13. (Amended) System for real-time addition of statistics definitions and for achieving real-time reporting in a telephone switching system, comprising:

a database containing information of essential importance to the telephone switching system;

a database manager, whose function is to maintain the database;

one or more service providers;

wherein the system comprises:

means for receiving a registration of a service provider by means of the database manager;

means for requesting information about the services produced by the service provider, using the database manager;

means for storing the definition data supplied by the service provider in the database; and

means for generating a new definitions file for reporting purposes on the basis of the information in the database.

14. (Amended) System as defined in claim 13, wherein the system comprises:

means for checking the version number of the service produced by the service provider;

means for asking for information about the services produced by the service provider;

means for requesting a service from the service provider.

15. (Amended) System as defined in claim 13, wherein the system comprises:

means for checking the version number of the service produced by the service provider; and

means for canceling a service request.

16. (Amended) System as defined in claim 13, wherein the system comprises means for reporting the database manager to a name service.

17. (Amended) System as defined in claim 13, wherein the system comprises means for establishing the address data of the database manager via an inquiry to the name service.

18. (Amended) System as defined in claim 13, wherein the system comprises means for attaching individual identification data to the information produced by the service provider.

19. (Amended) System as defined in claim 13, wherein the system comprises means for dividing the definition data into fixed definitions and network-element specific data.

20. (Amended) System as defined in claim 13, wherein the system comprises means for giving the database manager a reference to a file that contains information about the content of the service produced by the service provider.

21. (Amended) System as defined in claim 13, wherein the system comprises means for storing the data collected by the database manager in several different databases on the basis of data types.

22. (Amended) System as defined in claim 13, wherein the system comprises means for generating definitions files on the basis of the information contained in the database.

23. (Amended) System as defined in claim 13, wherein the system comprises means for generating a report on the basis of a definitions file produced by the database manager.

24. (Amended) System as defined in claim 13, wherein the system comprises means for deleting or changing a definitions file previously defined.

0044-0400

REMARKS

The above preliminary amendment is made to insert an abstract page into the application and to remove multiple dependencies from claims 4-12 and 16-24.

Applicants respectfully request that this preliminary amendment be entered into the record prior to calculation of the filing fee and prior to examination and consideration of the above-identified application.

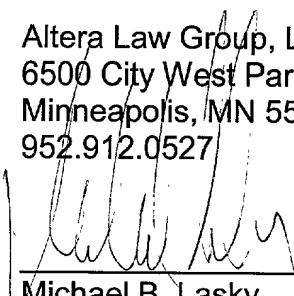
If a telephone conference would be helpful in resolving any issues concerning this communication, please contact Applicants' attorney of record, Michael B. Lasky at 952.2534106.

Respectfully submitted,

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Appendix A
Marked Up Version of Entire Claim Set

1. (Amended) Method for real-time addition of statistics definitions and for achieving real-time reporting in a telephone switching system, comprising:

a database [(DB)] containing information of essential importance to the telephone switching system;

a database manager [(MGER)], whose function is to maintain the database [(DB)];

one or more service providers [(SER)];

[c h a r a c t e r i z e d in that] wherein the method comprises the steps of:

receiving by means of the database manager [(MGER)] a registration of the service provider [(SER)];

having the database manager [(MGER)] send the service provider [(SER)] an inquiry asking for information about the services produced by it;

storing the service definition data supplied by the service provider [(SER)] in the database [(DB)]; and

generating a new definitions file for reporting purposes on the basis of the information in the database [(DB)].

2. (Amended) Method as defined in claim 1,

[c h a r a c t e r i z e d in that] wherein

the version number of the service produced by the service provider [(SER)] is checked; and

the service provider [(SER)] is asked to supply information about the services produced by it if the version number of the service provided is previously unknown; or

the service provider [(SER)] is given a request for the service if the version number of the service provided is known.

3. (Amended) Method as defined in claim 1,
[c h a r a c t e r i z e d in that] wherein

the version number of the service provided by the service provider [(SER)] is checked when a request for the service is given to the service provider [(SER)]; and

the service request is canceled if the service version number returned by the service provider [(SER)] is previously unknown.

4. (Amended) Method as defined in [any one of the preceding]
claim [s] 1 [- 3], [c h a r a c t e r i z e d in that] wherein the address data of the database manager [(MGER)] is reported to a name service.

5. (Amended) Method as defined in [any one of the preceding]
claim [s] 1 [- 4], [c h a r a c t e r i z e d in that] wherein the address data of the database manager [(MGER)] is established via an inquiry to the name service.

6. (Amended) Method as defined in [any one of the preceding]
claim [s] 1 [- 5], [c h a r a c t e r i z e d in that] wherein individual identification data is attached to each piece of information produced by the service provider [(SER)].

7. (Amended) Method as defined in [any one of the preceding]
claim [s] 1 [- 6], [c h a r a c t e r i z e d in that] wherein the specification data are divided into fixed specification data and network-element specific data.

8. (Amended) Method as defined in [any one of the preceding] claim [s] 1 [- 7], [c h a r a c t e r i z e d in that] wherein the database manager [(MGER)] is given a reference to a file that contains information about the content of the service produced by the service provider [(SER)].

9. (Amended) Method as defined in [any one of the preceding] claim [s] 1 [- 8], [c h a r a c t e r i z e d in that] wherein the data collected by the database manager are stored in several different databases based on data types.

10. (Amended) Method as defined in [any one of the preceding] claim [s] 1 [- 9], [c h a r a c t e r i z e d in that] wherein definitions files are generated on the basis of the data contained in the database [(DB)].

11. (Amended) Method as defined in [any one of the preceding] claim [s] 1 [- 10], [c h a r a c t e r i z e d in that] wherein reports are generated on the basis of a definitions file produced by the database manager [(MGER)].

12. (Amended) Method as defined in [any one of the preceding] claim [s] 1 [- 11], [c h a r a c t e r i z e d in that] wherein a definitions file previously defined is deleted or changed.

13. (Amended) System for real-time addition of statistics definitions and for achieving real-time reporting in a telephone switching system, comprising:

a database [(DB)] containing information of essential importance to the telephone switching system;

a database manager [(MGER)], whose function is to maintain the database [(DB)];

one or more service providers [(SER)];

[c h a r a c t e r i z e d in that] wherein the system comprises:

means [(1)] for receiving a registration of a service provider [(SER)] by means of the database manager [(MGER)];

means [(2)] for requesting information about the services produced by the service provider [(SER)], using the database manager [(MGER)];

means [(3)] for storing the definition data supplied by the service provider [(SER)] in the database [(DB)]; and

means [(4)] for generating a new definitions file for reporting purposes on the basis of the information in the database [(DB)].

14. (Amended) System as defined in claim 13,

[c h a r a c t e r i z e d in that] wherein the system comprises:

means [(5)] for checking the version number of the service produced by the service provider [(SER)];

means [(2)] for asking for information about the services produced by the service provider [(SER)];

means [(6)] for requesting a service from the service provider [(SER)].

15. (Amended) System as defined in claim 13,

[c h a r a c t e r i z e d in that] wherein the system comprises:

means [(5)] for checking the version number of the service produced by the service provider [(SER)]; and

means [(7)] for canceling a service request.

16. (Amended) System as defined in [any one of the preceding]

claim [s] 13 [- 15], [c h a r a c t e r i z e d in that] wherein the system

comprises means [(8)] for reporting the database manager [(MGER)] to a name service.

17. (Amended) System as defined in [any one of the preceding] claim [s] 13 [- 16], [c h a r a c t e r i z e d in that] wherein the system comprises means [(9)] for establishing the address data of the database manager via an inquiry to the name service.

18. (Amended) System as defined in [any one of the preceding] claim [s] 13 [- 17], [c h a r a c t e r i z e d in that] wherein the system comprises means [(10)] for attaching individual identification data to the information produced by the service provider [(SER)].

19. (Amended) System as defined in [any one of the preceding] claim [s] 13 [- 18], [c h a r a c t e r i z e d in that] wherein the system comprises means [(11)] for dividing the definition data into fixed definitions and network-element specific data.

20. (Amended) System as defined in [any one of the preceding] claim [s] 13 [- 19], [c h a r a c t e r i z e d in that] wherein the system comprises means [(12)] for giving the database manager (MGER) a reference to a file that contains information about the content of the service produced by the service provider [(SER)].

21. (Amended) System as defined in [any one of the preceding] claim [s] 13 [- 20], [c h a r a c t e r i z e d in that] wherein the system comprises means [(13)] for storing the data collected by the database manager [(MGER)] in several different databases on the basis of data types.

22. (Amended) System as defined in [any one of the preceding] claim [s] 13 [- 21], [c h a r a c t e r i z e d in that] wherein the system comprises means [(14)] for generating definitions files on the basis of the information contained in the database [(DB)].

23. (Amended) System as defined in [any one of the preceding] claim [s] 13 [- 22], [c h a r a c t e r i z e d in that] wherein the system comprises means [(15)] for generating a report on the basis of a definitions file produced by the database manager [(MGER)].

24. (Amended) System as defined in [any one of the preceding] claim [s] 13 [- 23], [c h a r a c t e r i z e d in that] wherein the system comprises means [(16)] for deleting or changing a definitions file previously defined.